# Rec'd PCT/PTO 11 MAY 2005



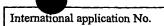


## **PCT**

#### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

	PATENT COOPERAT			11 MAY 2 PCT/EP20
anslation internat	PCT			
INTERNAT	TONAL PRELIMINARY	EXAMINAT	ION REPO	RT
	(PCT Article 36 and	d Rule 70)		
Applicant's or agent's file reference C2583001WOP00Gn	FOR FURTHER ACTION			mittal of Internatet (Form PCT/IPEA/
International application No. PCT/EP2003/012740	International filing date (day/r 14 November 2003 (14		riority date (day	/month/year) r 2002 (14.11.20
International Patent Classification (IPC) or E01B 25/30	<u> </u>	<u>-</u> -		
Applicant	CBP GUIDEWAY SYSTE	EMS GMBH		
been amended and are the (see Rule 70.16 and Section	applicant according to Article 36	i.  Ing this cover sheet  of the description,  containing rectif	t. , claims and/or d ications made b	trawings which have
IV Lack of unity of in  V Reasoned statement citations and expl  VI Certain document  VII Certain defects in	nt of opinion with regard to novel nvention ent under Article 35(2) with regar anations supporting such stateme	rd to novelty, inver		•
Date of submission of the demand  17 May 2004 (17.05.2		f completion of thi	•	
Name and mailing address of the IPEA/EP		07 Febru	ary 2005 (07	······································
Facsimile No.	Telepho	one No.		





### PCT/EP2003/012740

I. Basis of the	I. Basis of the report					
1. This report has been drawn on the basis of (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.):						
	the international	application as o	riginally filed.			
$\boxtimes$	the description,	pages	1-11	_, as originally filed,		
		pages		_, filed with the demand,		
}		pages	<del></del>	_, filed with the letter of,		
1		pages		, filed with the letter of		
	the claims,	Nos.	1-16	_ , as originally filed,		
				, as amended under Article 19,		
		Nos.	<del></del>	_, filed with the demand,		
		Nos.	<del></del>	, filed with the letter of,		
		Nos		, filed with the letter of		
	the drawings,	sheets/fig	1/4-4/4	_ , as originally filed,		
		sheets/fig		_, filed with the demand,		
		sheets/fig		, filed with the letter of,		
		sheets/fig		, filed with the letter of		
2. The amenda	ments have resulte	ed in the cancella	ation of:			
	the description,	pages	<del></del>			
	the claims,	Nos				
	the drawings,	sheets/fig				
This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).  4. Additional observations, if necessary:						

#### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Internat		application No.		
	PCT/EP	03/12740		

v.	Reasoned statement under Article 3 citations and explanations supporting	35(2) with regard to no	ovelty, inventive step or industrial applica	ability;
1.	Statement			
	Novelty (N)	Claims	1-16	YES
		Claims		NO
	Inventive step (IS)	Claims	1-16	YES
		Claims		NO
	Industrial applicability (IA)	Claims	1-16	YES
		Claims		NO

2. Citations and explanations

1. Reference is made to the following documents:

D1: DE-A-199 31 367

D2: DE-C-197 35 471

D3: DE-U-297 24 627

2. D1 is considered the prior art closest to the subject matter of claim 1. D1 discloses (cf. abstract, figure 1):

A functional plane support for a magnetic levitation guideway, wherein the functional plane support which defines a track has

- a) a sliding surface 2
- b) a lateral guide rail 9, 10
- c) a stator support belt 23, 24, 25, 26 which accommodates stator stacks 27, 28 consisting of stator lamellas extending vertically and in the direction of travel, and
- d) an assembly surface 11, 12 for coupling to a main support 1.

The subject matter of claim 1 differs therefore from



this known device in that the stator stack, firstly, has a hole which penetrates the lamellas substantially perpendicularly and, secondly, is connected to the stator support belt via a retaining element which penetrates the hole.

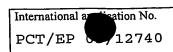
The subject matter of claim 1 is therefore novel (PCT Article 33(2)).

- 3. The problem addressed by the present invention can therefore be considered that of increasing the space available between the active plane of the stator and the underside of the stator support belt.
- 4. The solution to this problem proposed in claim 1 of the present application involves an inventive step (PCT Article 33(3)) since the combination of features contained in claim 1 is neither known nor obvious from the available prior art.

In the guideway element of D2 (cf. figures 1 and 2), the stator stacks 5 are secured positively to a belt-like stator support 8 by means of crossbar-like connection elements 9 which engage in grooves 8' and 5'. Screw bolts and nuts pass vertically through the connection elements 9 and the stator support 8 and hold the stator stacks 5 in place on the stator support 8.

D3 shows (cf. figures 1 and 2) a guideway support 1 for track-bound vehicles, wherein the stator stack 4 is positively connected to a fork-like endpiece 12 with a grooved crossbar 11. The endpiece 12 is connected to the stator support 8 horizontally crosswise to the guideway support by means of a





spring pin 17 which engages via the stator stack 4.

- 5. Claims 2 to 16 are dependent on claim 1 and therefore likewise meet the PCT novelty and inventive step requirements.
- 6. The subjects of claims 1 to 16 are industrially applicable (PCT Article 33(4)).